What Is Claimed Is:

1. A method for imaging a printing form using at least one controllable light source, the method comprising the steps of:

generating a plurality of image spots at a plurality of positions on the printing form in accordance with image data in a bit field by controlled action of light on the printing form; and

controlling an intensity of the light acting at at least one of the positions of the image spots as a function of a value of a measure for the plurality of the image spots to be generated in a surrounding area of the position.

2. The method as recited in claim 1 wherein in response to exceedance of a limiting value of the measure, the intensity is increased.

3. The method as recited in claim 2 wherein the intensity is increased in such a way that a diameter of a generated printing dot is increased by a magnitude proportional to an amplitude of a relative motion between the projection point and the printing form.

4. The method as recited in claim 1 wherein the surrounding area is either made up of the positions of image spot directly adjacent to the position, or is a raster point, or a partial area of the printing form.

5. The method as recited in claim 1 wherein the measure is a number of bits set in the bit field.

6. The method as recited in claim 1 wherein the measure is an area coverage of the surrounding area.

7. The method as recited in claim 2 wherein the limiting value lies within the interval of between 85% and 75% of a maximum value of the measure.

8. A device for imaging a printing form comprising:

at least one controllable light source; and

a control unit including a processor and a memory unit,

wherein a program is stored in the memory unit, the program having at least one executable step for execution in the processor, the at least one executable step carrying out a method for imaging a printing form in accordance with claim 1.

9. The device as recited in claim 8 wherein a characteristic describing a dependency of the laser power on the measure for the plurality of image spots to be generated in one surrounding area is stored in the memory unit.

10. The device as recited in claim 8 wherein the device has at least one laser diode bar having a plurality of individually drivable laser diodes arranged serially.

11. A print unit comprising at least one imaging device as recited in claim 8.

12. A printing press comprising at least one print unit as recited in claim 11.